

Title (en)

METHOD FOR PROVIDING A REACTION MIXTURE AND AN AUTOMATIC ANALYSIS DEVICE

Title (de)

VERFAHREN ZUR BEREITSTELLUNG EINES REAKTIONSANSATZES UND AUTOMATISCHES ANALYSEGERÄT

Title (fr)

PROCÉDÉ DE FOURNITURE D'UN MÉLANGE REACTIONNEL ET UN APPAREIL D'ANALYSE AUTOMATIQUE

Publication

EP 3130926 A1 20170215 (DE)

Application

EP 15180477 A 20150811

Priority

EP 15180477 A 20150811

Abstract (en)

[origin: JP2017037073A] PROBLEM TO BE SOLVED: To provide means and methods for an automatic analysis device, which cause a reduction of the risk of flawed measurement results as a result of temperature deviations in the reaction mixtures and which enable resource-conserving termination of further analyses if a total failure of the temperature-control function of a pipetting needle occurs. SOLUTION: A pipetting device includes a pipetting needle 1 having two temperature sensors 10, 20 at different distances from a tip 4 of the pipetting needle. If it is established that the temperature measured by the first temperature sensor 10 exceeds a predefined maximum temperature or falls below a predefined minimum temperature, the aspirated volume of reagent liquid is dispensed from the pipetting needle and the disposed of. SELECTED DRAWING: Figure 1

Abstract (de)

Die Erfindung liegt auf dem Gebiet der automatischen Analysegeräte und betrifft eine beheizbare Pipettiervorrichtung für ein automatisches Analysegerät sowie ein Verfahren zur Bereitstellung eines Reaktionsansatzes. Die Pipettiervorrichtung umfasst eine Pipettiernadel (1) mit zwei Temperatursensoren (10, 20) in unterschiedlicher Entfernung zur Spitze (4) der Pipettiernadel (1).

IPC 8 full level

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CPC (source: CN EP US)

B01L 3/021 (2013.01 - US); **G01N 35/00** (2013.01 - CN); **G01N 35/00584** (2013.01 - CN); **G01N 35/00594** (2013.01 - US); **G01N 35/0099** (2013.01 - US); **G01N 35/10** (2013.01 - EP US); **G01N 35/1009** (2013.01 - US); **G01N 35/1016** (2013.01 - CN); **B01L 2200/14** (2013.01 - US); **B01L 2300/0627** (2013.01 - US); **B01L 2300/0832** (2013.01 - US); **B01L 2300/1805** (2013.01 - US); **B01L 2300/1888** (2013.01 - US); **G01N 2035/00425** (2013.01 - CN EP US)

Citation (applicant)

- EP 1134024 A2 20010919 - MINITUBES GMBH [DE]
- EP 0496962 A2 19920805 - BEHRINGWERKE AG [DE]

Citation (search report)

- [YA] EP 2623202 A1 20130807 - SIEMENS HEALTHCARE DIAGNOSTICS [DE]
- [YDA] EP 0496962 A2 19920805 - BEHRINGWERKE AG [DE]
- [YA] WO 9702893 A1 19970130 - BIOHIT OY [FI], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

EP 15180477 A 20150811; CN 201610576224 A 20160720; ES 15180477 T 20150811; JP 2016157091 A 20160810; US 201615230175 A 20160805